

Message Text

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FM SECSTATE WASHDC
TO AMEMBASSY MOSCOW

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E.O. 11652: N/A
TAGS: SENV, UR, OTRA
SUBJ: US-USSR ENVIRONMENTAL AGREEMENT: JOINT
COMMITTEE MEETING

1. IN RESPONSE TO DR. IZRAEL'S STATEMENT (MOSCOW 13374,
PARA 4) REGARDING NEW MEMORANDUM OF IMPLEMENTATION TO BE
ADOPTED AT FORTHCOMING JOINT COMMITTEE MEETING, TEXT
FOLLOWS OF U.S. DRAFT. EMBASSY IS REQUESTED TO TRANSMIT
TEXT PROMPTLY TO HYDROMET, IN VIEW SHORTNESS OF TIME
REMAINING BEFORE MEETING, AND EXPLAIN THAT THIS IS MERELY
PRELIMINARY DRAFT WHICH (A) NEEDS CLEARANCE OF RESPONSIBLE
ORGANIZATIONS ON US SIDE AND (B) IS NOT MEANT TO PREEMPT
SOVIET DRAFT BUT IS OFFERED IN ORDER TO GIVE POSSIBLE BASIS
FOR DISCUSSION AT JOINT COMMITTEE MEETING. US SIDE WOULD
BE HAPPY TO WORK FROM SOVIET DRAFT, IF SOVIET SIDE PREFERS,
BUT UPON CONSIDERATION OF DR. IZRAEL'S COMMENTS FELT THAT
HE MIGHT WISH TO HAVE US DRAFT FOR CONSIDERATION PRIOR TO
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MEETING. AS STATED PREVIOUSLY, DRAFT ATTEMPTS TO MEET

SOVIET SIDE'S WISH FOR DETAIL, BUT WITHOUT BINDING PROJECT CHAIRMEN ENTIRELY TO RIGID PROGRAM. IF SOVIET SIDE WISHES TO ADD MORE DETAIL TO DRAFT, WE WOULD BE RECEPTIVE. TEXT FOLLOWS.

BEGIN TEXT:

DRAFT

MEMORANDUM OF IMPLEMENTATION OF THE AGREEMENT BETWEEN
THE UNITED STATES OF AMERICA AND
THE UNION OF SOVIET SOCIALIST REPUBLICS
ON COOPERATION IN THE FIELD OF ENVIRONMENTAL PROTECTION

THE SECOND MEETING OF THE U.S.-SOVIET JOINT COMMITTEE ON COOPERATION IN THE FIELD OF ENVIRONMENTAL PROTECTION WAS HELD IN WASHINGTON, D.C., NOVEMBER 13 TO 16, 1973. THE JOINT COMMITTEE WAS ESTABLISHED BY THE AGREEMENT ON COOPERATION IN THE FIELD OF ENVIRONMENTAL PROTECTION, SIGNED IN MOSCOW BY THE PRESIDENT OF THE UNITED STATES AND THE CHAIRMAN OF THE PRESIDUM OF THE SUPREME SOVIET ON MAY 23, 1972. AS PROVIDED FOR IN THE AGREEMENT, THE JOINT COMMITTEE APPROVES CONCRETE MEASURES AND PROGRAMS OF COOPERATION, AND DESIGNATES THE PARTICIPATING ORGANIZATIONS RESPONSIBLE FOR THE REALIZATION OF THE PROGRAMS.

HAVING REVIEWED THE PROGRESS MADE UNDER THE MEMORANDUM OF IMPLEMENTATION SIGNED AT THE FIRST MEETING OF THE JOINT COMMITTEE IN MOSCOW ON SEPTEMBER 21, 1972, THE JOINT COMMITTEE HAS ADOPTED THE PRESENT MEMORANDUM SETTING FORTH THE AGREED PROGRAMS OF COOPERATION IN THE ELEVEN AREAS OF THE AGREEMENT FOR THE COMING YEAR, AND DESIGNATING THE ORGANIZATIONS PRIMARILY RESPONSIBLE FOR IMPLEMENTATION.

I. AIR POLLUTION

1. AIR POLLUTION MODELING, INSTRUMENTATION AND UNCLASSIFIED

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MEASUREMENT METHODOLOGY

THE PROGRAM FOR EXCHANGE OF DATA AND INFORMATION AGREED TO AND INITIATED AT THE FIRST TWO WORKING GROUP MEETINGS WILL BE CONTINUED AND EXPANDED IN 1974. THE THIRD MEETING OF THE WORKING GROUP WILL BE HELD IN THE USSR DURING THE SECOND QUARTER OF 1974. THE WORK PROGRAM OF THE WORKING GROUP INCLUDES: AIR POLLUTION

MODELING (MODELING DEVELOPMENT AND EVALUATION OF POLLUTANT DISPERSION, WITH STUDIES TO INCLUDE EMISSION PARAMETERS, METEOROLOGICAL CONDITIONS INCLUDING TOPOGRAPHY AND AVERAGING TIMES, AND SUPPORTING STUDIES INCLUDING ENERGY BUDGET AND REACTION KINETICS); INSTRUMENTATION AND MEASUREMENT METHODOLOGY (DEVELOPMENT OF GUIDELINES

FOR MEASUREMENT NETWORK INCLUDING MEASUREMENT METHODOLOGY, CHEMICAL ANALYTICAL METHODOLOGY, CALIBRATION AND QUALITY CONTROL, DATA VALIDATION AND REDUCTION); SPECIAL STUDIES IN PHOTOCHEMICAL PROCESSES, AEROSOL PHYSICS AND CHEMISTRY, SCAVENGING AND SHORT-TERM FORECASTING. IDENTICAL STATIONS ARE TO BE SET UP IN ST. LOUIS AND LENINGRAD FOR JOINT COMPARISON OF DATA, DATA ANALYSES AND INSTRUMENTATION AND MEASUREMENT METHODOLOGY.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: HYDROMETEOROLOGICAL SERVICE.

2. STATIONARY SOURCE AIR POLLUTION CONTROL TECHNOLOGY

THE EXCHANGE OF INFORMATION BEGUN FOLLOWING THE FIRST WORKING GROUP MEETING WILL BE CONTINUED, WITH TOPICS OF JOINT RESEARCH TO INCLUDE: SULFUR OXIDE PARTICULATES FROM THERMAL POWER PLANTS; CONTROL OF POLLUTION BY GASIFICATION OF COAL AND OIL; DEMETALLIZATION OF RESIDUAL FUEL OIL; ECONOMIC STUDIES OF DESULPHURIZING METHODS; PHYSIOCHEMICAL ANALYSIS OF COMPONENTS IN EMISSIONS FROM THE IRON AND STEEL INDUSTRY; ICE FOG CONTROL; CONTROL OF EMISSIONS FROM COKE OVENS; DESULPHURIZATION AND ASH REMOVAL FROM COAL BY MECHANICAL

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CLEANING; IDENTIFICATION AND CONTROL OF EMISSIONS FROM COAL AND OIL CONVERSION PROCESSES. THE SECOND MEETING OF THE WORKING GROUP IS TO BE HELD IN THE UNITED STATES IN JANUARY 1974, IN CONJUNCTION WITH A SYMPOSIUM ON PARTICULATES.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: ALL-UNION ASSOCIATION OF GAS PURIFICATION AND DUST CLEANING.

3. TRANSPORTATION SOURCE AIR POLLUTION CONTROL TECHNOLOGY

THE EXCHANGE OF INFORMATION BEGUN FOLLOWING THE FIRST WORKING GROUP MEETING WILL BE CONTINUED. THE

MAIN TOPIC FOR STUDY IS CONTROL METHODS FOR REDUCING POLLUTION FROM TRANSPORTATION SOURCES, IN PARTICULAR AUTOMOBILES, SUCH METHODS TO INCLUDE BOTH SPECIFIC TECHNIQUES APPLICABLE TO INDIVIDUAL VEHICLES AND ALSO TRANSPORTATION PLANNING. THE FIRST PHASE OF THE STUDY INVOLVES THE DEVELOPMENT OF COMPARABLE METHODS OF MEASURING POLLUTANT EMISSIONS ON WHICH TECHNOLOGY

ASSESSMENTS CAN BE MADE. THE SOVIET SIDE IS TO DEVELOP EMISSIONS MEASUREMENT METHODOLOGY WHICH WILL THEN BE COMPARED WITH CURRENT U.S. TECHNIQUES. A FORMAL SYSTEM FOR ROUTINE SCREENING AND TRANSMITTAL OF LITERATURE IS TO BE DEVELOPED. THE SECOND MEETING OF THE WORKING GROUP WILL BE HELD IN THE UNITED STATES IN THE SPRING OF 1974.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: MINISTRY OF CONSTRUCTION OF AGRICULTURAL AND TRACTOR MACHINERY OF THE USSR.

II. WATER POLLUTION

1. STUDIES AND MODELING OF RIVER BASIN POLLUTION

AT ITS FIRST MEETING THE WORKING GROUP ADOPTED A PROGRAM OF STUDY IN WATER PLANNING CONCENTRATING UNCLASSIFIED

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INITIALLY ON THE DELAWARE AND OHIO RIVER BASINS IN THE UNITED STATES AND THE SEVERSKY DONETS RIVER BASIN IN THE USSR. THE PLANNED FINAL STEP OF THE PROGRAM IS AN EXPERIMENT IN WHICH EACH COUNTRY'S PLANNERS WILL DRAW UP A PLAN FOR ONE OF THEIR OWN RIVERS USING THE OTHER COUNTRY'S PLANNING METHODOLOGY, DATA, AND LEGAL AND INSTITUTIONAL NORMS. FURTHER VISITS OF SPECIALISTS WILL TAKE PLACE DURING 1974. A SYMPOSIUM ON THE RESULTS OF STUDIES IS PLANNED FOR 1975.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: USSR MINISTRY FOR RECLAMATION AND WATER MANAGEMENT.

2. PROTECTION AND MANAGEMENT OF LAKES AND ESTUARIES

THE PROGRAM FOR THE EXCHANGE OF INFORMATION AND DATA AND OF WATER SAMPLES WILL BE EXPANDED AND CONTINUED. THE U.S. SIDE IS ANALYZING SAMPLES COLLECTED DURING THE FIELD TRIP TO LAKE BAIKAL IN AUGUST 1973, AND OPPORTUNITY FOR COLLECTING SAMPLES WILL BE AFFORDED TO THE SOVIET GROUP THAT WILL VISIT

THE UNITED STATES IN SEPTEMBER 1974, WITH A FIELD TRIP PLANNED TO ONE OR MORE OF THE GREAT LAKES AND LAKE TAHOE. THE WORKING GROUP IS PLANNING SYMPOSIUMS IN 1975 AND 1976.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: HYDROMETEOROLOGICAL SERVICE.

3. EFFECT OF POLLUTANTS UPON AQUATIC SYSTEMS AND PERMISSIBLE LEVELS OF POLLUTION

THE FIRST MEETING OF SPECIALISTS, TO BE HELD IN CONJUNCTION WITH A SYMPOSIUM ON THE EFFECT OF POLLUTANTS ON ECOSYSTEMS, IS PLANNED FOR 1974.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: INSTITUTE OF ZOOLOGY, USSR ACADEMY OF SCIENCES.
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4. PREVENTION OR TREATMENT OF WASTE DISCHARGES

AS AGREED UPON IN THE MEMORANDUM OF IMPLEMENTATION OF SEPTEMBER 21, 1972, THIS GROUP WILL STUDY SPECIFIC WATER POLLUTION ABATEMENT TECHNIQUES, INCLUDING LAND DISPOSAL OF BOTH UNTREATED MUNICIPAL SEWAGE AND SLUDGE FROM MUNICIPAL TREATMENT SYSTEMS; REDUCTION OF WATER POLLUTION FROM INDUSTRIAL PLANTS, SUCH AS MANUFACTURERS OF PULP AND PAPER; AND REINJECTION OF WATER FROM OIL EXTRACTION ACTIVITIES, INCLUDING DISPOSAL OF LIQUID WASTES IN PERMAFROST CONDITIONS IN ARCTIC AND SUBARCTIC REGIONS (COLLECTION, STORAGE, TREATMENT AND FINAL DISPOSAL). A U.S. GROUP WILL VISIT THE SOVIET UNION IN DECEMBER 1973 TO INITIATE WORK UNDER THIS PROJECT. A RETURN SOVIET VISIT IS PLANNED DURING 1974. AN ADDITIONAL VISIT BY A SOVIET DELEGATION IN THE ENVIRONMENTAL ASPECTS OF PAPER AND PULP MANUFACTURE IS PLANNED IN EARLY 1974. FIELD TRIPS IN THE TWO COUNTRIES ARE TO INCLUDE VISITS IN COLD-WEATHER (PERMAFROST) REGIONS.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: ALL-UNION RESEARCH INSTITUTE FOR WATER SUPPLY, SEWAGE, HYDRAULIC STRUCTURES AND ENGINEERING HYDROGEOLOGY (VODGEO).

III. ENVIRONMENTAL POLLUTION ASSOCIATED WITH AGRICULTURAL PRODUCTION

A PROGRAM OF COOPERATION IN INTEGRATED PEST MANAGEMENT IS TO BE UNDERTAKEN BASED UPON THE RESULTS OF THE U.S.-SOVIET SYMPOSIUM ON INTEGRATED PEST MANAGEMENT HELD IN KIEV, SEPTEMBER 10-18, 1973, AND ON DISCUSSIONS DURING THE VISIT OF SOVIET SPECIALISTS IN INTEGRATED PEST MANAGEMENT DURING NOVEMBER 1973. THESE SPECIALISTS WILL DISCUSS THE POSSIBILITY OF AN ADDITIONAL STUDY INTO THE EFFECTS OF POLLUTANTS ON FORESTS AND PLANTS, AND THE MOST SUITABLE AUSPICES UNDER WHICH THIS STUDY SHOULD BE CONDUCTED. TWO

OTHER PROJECTS AGREED UPON IN THE MEMORANDUM OF UNCLASSIFIED

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IMPLEMENTATION OF SEPTEMBER 21, 1973, ARE HEREBY TRANSFERRED TO THE U.S.-SOVIET AGRICULTURAL AGREEMENT.

RESPONSIBLE ORGANIZATIONS: U.S.: U.S. DEPARTMENT OF AGRICULTURE; USSR: MINISTRY OF AGRICULTURE.

IV. ENHANCEMENT OF THE URBAN ENVIRONMENT

A PROGRAM OF COOPERATION WILL BE ADOPTED AT THE SECOND MEETING OF THE WORKING GROUP, TO BE HELD IN THE SOVIET UNION DURING THE SECOND HALF OF NOVEMBER 1973. PRELIMINARY AGREEMENT ON THE PROGRAM WAS REACHED AT THE FIRST WORKING GROUP MEETING, AND THE EXTENSIVE EXCHANGE OF INFORMATION ALREADY BEGUN WILL BE CONTINUED DURING 1974. AMONG AREAS OF PARTICULAR STUDY ARE PROPOSED: COMPREHENSIVE PLANNING AND DEVELOPMENT; CONSTRUCTION AND WASTE MANAGEMENT TECHNOLOGIES IN PERMAFROST AREAS; SOLID WASTE MANAGEMENT; NOISE ABATEMENT AND CONTROL; URBAN TRANSPORTATION; HISTORIC PRESERVATION AND PARKS; PLANNING AND DEVELOPMENT OF NEW COMMUNITIES. URBAN AREAS FOR PARTICULAR STUDY ARE ATLANTA AND SAN FRANCISCO IN THE UNITED STATES AND LENINGRAD IN THE USSR. SUB-GROUPS WILL BE FORMED IN THE AREAS OF PARTICULAR STUDY, WITH APPROPRIATE ORGANIZATIONS HAVING RESPONSIBILITY FOR IMPLEMENTATION.

RESPONSIBLE ORGANIZATIONS: U.S.: DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT; USSR: STATE COMMITTEE ON URBAN CONSTRUCTION AND ARCHITECTURE.

V. PRESERVATION OF NATURE AND THE ORGANIZATION OF PRESERVES

THE COMPREHENSIVE WORK PROGRAM INITIATED UNDER THIS AREA IN 1973 WILL BE CONTINUED AND AMPLIFIED DURING 1974. THE EXCHANGE OF LITERATURE AND DATA WILL

BE CONTINUED. THE VARIOUS FORMS OF COOPERATION AGREED UPON AT THE FIRST MEETING OF THE WORKING GROUP AND CONFIRMED IN DETAIL AT THE SECOND MEETING WILL BE CARRIED OUT. THESE INCLUDE: FIELD TRIPS BY SPECIALISTS; LONG-TERM VISITS BY SCIENTISTS; JOINT RESEARCH AND UNCLASSIFIED

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FIELD WORK; CONSULTATION AND COOPERATION ON BILATERAL AND INTERNATIONAL CONVENTIONS FOR THE PROTECTION OF ENDANGERED SPECIES AND OTHER AREAS OF NATURE PROTECTION; THE FACILITATION OF EXCHANGES OF FILMS ON CONSERVATION AND WILDLIFE AND NATURE PROTECTION. SPECIFIC PROGRAMS OF COOPERATION ARE AGREED UPON UNDER THE SUB-DIVISIONS OF

THE AREA. A THIRD MEETING OF THE OVERALL WORKING GROUP WILL BE AGREED UPON FOR EITHER 1974 OR 1975.

THE ORGANIZATION OF AREA V IS AS FOLLOWS:

1. WORKING GROUP ON WILD FAUNA, FLORA AND THE ORGANIZATION OF PRESERVES

SUB-GROUP A: THREATENED OR ENDANGERED SPECIES OF WILD FAUNA OR FLORA.

THIS GROUP WILL CONSIDER PROJECTS INVOLVING SPECIES OF WILD FAUNA OR FLORA WHICH EITHER SIDE CONSIDERS TO BE THREATENED WITH EXTINCTION OR ON THE VERGE OF BECOMING SO THREATENED.

SUB-GROUP B: OTHER SPECIES OF WILD FAUNA OR FLORA.

THIS GROUP WILL CONSIDER PROJECTS INVOLVING NON-THREATENED SPECIES OF WILD FAUNA OR FLORA. SPECIAL CONSIDERATION WILL BE GIVEN TO SPECIES THAT ARE BEING HARVESTED OR ARE OF OTHER PARTICULAR SIGNIFICANCE.

SUB-GROUP C: ORGANIZATION OF PRESERVES.

THIS GROUP WILL CONSIDER PROJECTS INVOLVING THE PRESERVATION AND MANAGEMENT OF ECOSYSTEMS AND WILD FAUNA AND FLORA FOUND IN PROTECTED AREAS, PARKS, REFUGES, BOTANICAL AND ZOOLOGICAL GARDENS AND OTHER AREAS.

2. WORKING GROUP ON EXTREME ECOSYSTEMS

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SUB-GROUP A: ECOSYSTEMS OF NORTHERN REGIONS.

THIS GROUP WILL CONSIDER PROJECTS INVOLVING RESEARCH ON NORTHERN ECOSYSTEMS WHICH IS OF IMPORTANCE TO THEIR UTILIZATION, PROTECTION AND REHABILITATION. THE MAIN THRUST OF THE WORK WILL BE THE INFLUENCE OF HUMAN ACTIVITY ON THE ECOSYSTEMS OF THE NORTH AND TECHNIQUES OF ELIMINATING UNDESIRABLE CONSEQUENCES OF THIS ACTIVITY.

SUB-GROUP B: ECOSYSTEMS OF ARID REGIONS.

THIS GROUP WILL CONSIDER PARALLEL PROBLEMS IN THE ARID ZONES OF BOTH COUNTRIES.

3. WORKING GROUP ON MARINE MAMMALS

THIS WORKING GROUP WILL CONSIDER ALL PROJECTS INVOLVING MARINE MAMMALS (OTHER THAN THE POLAR BEAR, WHICH WILL BE STUDIED UNDER THE FIRST WORKING GROUP).

MEETINGS OF THE RESPECTIVE WORKING GROUPS AND SUB-GROUPS WILL BE AGREED UPON BY THE PROJECT CHAIRMEN. A MEETING OF THE WORKING GROUP ON MARINE MAMMALS IS AGREED UPON FOR DECEMBER 1973.

THE NAMING OF RESPONSIBLE ORGANIZATIONS FOR THE SUB-DIVISIONS OF THIS AREA WILL BE AGREED UPON BY THE PROJECT CHAIRMEN.

RESPONSIBLE ORGANIZATIONS: U.S.: DEPARTMENT OF THE INTERIOR, NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION OF THE DEPARTMENT OF COMMERCE, SMITHSONIAN INSTITUTION; USSR: USSR MINISTRY OF AGRICULTURE, USSR ACADEMY OF SCIENCES.

VI. MARINE POLLUTION

1. POLLUTION FROM SHIPPING

THE PROGRAM OF COOPERATION AGREED UPON AND
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INITIATED AT THE FIRST TWO MEETINGS OF THIS WORKING GROUP WILL BE CONTINUED IN 1974. THE EXCHANGE OF TECHNICAL LITERATURE AND DATA WILL BE PURSUED. THE

MAIN AREAS OF JOINT STUDY WILL BE: (1) JOINT TESTING AND EVALUATION OF CHEMICALS FOR USE ON DISCHARGED OIL; (2) EXCHANGE OF TECHNICAL INFORMATION ON VESSEL TRAFFIC CONTROL IN PORT AREAS; (3) JOINT DEVELOPMENT OF STANDARDS AND CRITERIA FOR VESSELS AND VESSEL CONSTRUCTION; (4) TESTING CONSTRUCTION OF HIGH SEAS OIL SPILL CONTAINMENT AND RECOVERY EQUIPMENT. THE THIRD MEETING OF THE GROUP WILL BE HELD IN THE UNITED STATES IN MID-1974.

RESPONSIBLE ORGANIZATIONS: U.S.: U.S. COAST GUARD, DEPARTMENT OF TRANSPORTATION; USSR: USSR MINISTRY OF THE MERCHANT MARINE.

2. POLLUTION FROM NON-SHIPPING OIL OPERATIONS

THE PROGRAM OF COOPERATION AGREED UPON AND INITIATED AT THE FIRST TWO MEETINGS OF THIS WORKING GROUP WILL BE CONTINUED IN 1974. THE EXCHANGE OF DATA

AND TECHNICAL INFORMATION WILL CONTINUE. THE MAIN TASKS FOR FUTURE COOPERATION ARE: (1) ORGANIZATIONAL, TECHNICAL AND TECHNOLOGICAL MEASURES AND SPECIAL TECHNICAL FACILITIES USED FOR PREVENTING POLLUTION, INCLUDING: (A) CONTROL OF SOLID PARTICLES IN OIL AND GAS DRILLING AND IN EXPLOITATION OF OIL AND GAS WELLS; (B) CONTAINMENT, REMOVAL AND CLEAN-UP OF OIL SPILLS; (C) METHODS AND PROGRAMS FOR TRAINING PERSONNEL IN PROPER METHODS OF WORK; (D) PROTECTION OF OIL-FIELD EQUIPMENT AND PIPELINES FROM CORROSION; (E) WELL CONTROL AND PREVENTION OF POLLUTION FROM BLOW-OUTS; AND (2) TECHNIQUES AND TECHNOLOGY OF COLLECTING, TREATING, AND PIPELINE TRANSPORTATION OF OIL AT OFFSHORE OIL FIELDS TO PREVENT MARINE POLLUTION, INCLUDING: (A) WASTE WATER TREATMENT AND DISPOSAL; (B) MONITORING SYSTEMS FOR PIPELINE FLOW. THE GROUP WILL ADOPT SPECIFIC WORK PLANS AT ITS NEXT MEETING, TO BE HELD IN THE UNITED STATES IN MAY 1974, IN CONJUNCTION

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WITH A PLANNED SEMINAR IN HOUSTON ON THE AGREED TOPICS OF STUDY. A FURTHER MEETING IS PLANNED IN THE USSR IN SEPTEMBER 1974, WITH EMPHASIS ON PIPELINE TRANSPORTATION. THE WORKING GROUP'S AREA OF STUDY WILL INCLUDE ENVIRONMENTAL PROTECTION DURING THE DEVELOPMENT AND PRODUCTION OF ON-SHORE AS WELL AS OFF-SHORE OIL FIELDS.

RESPONSIBLE ORGANIZATIONS: U.S.: U.S. GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR; USSR: MINISTRY

OF THE OIL INDUSTRY.

3. EFFECT OF POLLUTANTS ON MARINE ORGANISMS

THE PROGRAM OF COOPERATION AGREED UPON AND INITIATED AT THE FIRST TWO MEETINGS OF THIS WORKING GROUP WILL BE CONTINUED IN 1974. THE EXCHANGE OF DATA AND LITERATURE WILL BE CONTINUED AND EXPANDED. UNDER THE AUSPICES OF THE AGREEMENT, A BI-MONTHLY U.S.-SOVIET JOURNAL IN MARINE POLLUTION WILL BE PUBLISHED SIMULTANEOUSLY IN ENGLISH AND IN RUSSIAN. AN EDITORIAL BOARD OF FIVE SCIENTISTS IN EACH COUNTRY WILL SELECT ARTICLES FOR PUBLICATION. AN EXCHANGE OF TWELVE SCIENTISTS FROM EACH SIDE FOR TWO-WEEK VISITS IS PLANNED FOR 1974. THEIR MAJOR AREAS OF STUDY WILL BE: EFFECTS AND ANALYSIS OF HYDROCARBONS, PESTICIDES AND TRACE METALS; OCEAN DUMPING; RADIOECOLOGY;

POLLUTION INPUT BUDGETS. A JOINT RESEARCH PROGRAM IS PROJECTED ON MARINE MONITORING, TO STUDY THE EFFECTS OF MARINE POLLUTION ON MARINE ORGANISMS.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: MOSCOW STATE UNIVERSITY.

VII. BIOLOGICAL AND GENETIC CONSEQUENCES OF ENVIRONMENTAL POLLUTION

1. COMPREHENSIVE ANALYSIS OF THE ENVIRONMENT

A SYMPOSIUM WILL BE HELD IN TBILISI IN UNCLASSIFIED

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JANUARY 1974, FOCUSING ON COMPREHENSIVE ENVIRONMENTAL MANAGEMENT OF AN IDENTIFIED REGION, DELINEATING PERMISSIBLE STRESS FACTORS, LOADINGS AND INTERACTIONS BETWEEN MAN AND HIS ENVIRONMENT.

RESPONSIBLE ORGANIZATIONS: U.S.: ENVIRONMENTAL PROTECTION AGENCY; USSR: HYDROMETEOROLOGICAL SERVICE.

2. BIOLOGICAL AND GENETIC EFFECTS OF POLLUTANTS

THE SECOND MEETING OF THE WORKING GROUP WILL BE HELD IN THE SOVIET UNION IN DECEMBER 1973. THE WORK PROGRAM DISCUSSED AT THE FIRST MEETING WILL BE ELABORATED AND COOPERATION INITIATED, INCLUDING THE EXCHANGE OF DATA, THE VISIT OF A GROUP OF U.S. MUTAGENECISTS TO THE USSR IN THE FIRST HALF OF 1974, THE EXCHANGE OF LABORATORY VISITS BY SCIENTISTS ON

BOTH SIDES, AND JOINT RESEARCH ON AGREED TOPICS. STUDY WILL BE UPON: (1) MUTAGENESIS: ASSAY SYSTEMS FOR (A) IMMEDIATE EVALUATION TO BE USED IN POPULATION MONITORING AND (B) SCREENING ENVIRONMENTAL POLLUTANTS FOR GENETIC ACTIVITY; (2) HEAVY METALS: U.S. WORK ON CADMIUM, MERCURY AND LEAD WILL BE REVIEWED, WITH COOPERATIVE WORK TO BEGIN ON CADMIUM; (3) EPIDEMIOLOGY. NO SPECIFIC PLANS HAVE BEEN MADE TO STUDY RADIOACTIVITY. THE STUDY ON THE EXTRAPOLATION OF ANIMAL TOXICOLOGICAL TESTS TO MAN IS HEREBY TRANSFERRED TO THE U.S.-SOVIET HEALTH AGREEMENT.

RESPONSIBLE ORGANIZATIONS: U.S.: NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES OF THE DEPARTMENT OF HEALTH, EDUCATION AND WELFARE, AND THE ENVIRONMENTAL PROTECTION AGENCY; USSR: INSTITUTE OF GENERAL GENETICS, USSR ACADEMY OF SCIENCES.

VIII. INFLUENCE OF ENVIRONMENTAL CHANGES ON CLIMATE

THE FIRST FULL MEETING OF THE WORKING GROUP WILL BE HELD IN LENINGRAD IN THE SPRING OF 1974, AND WILL ADOPT A PROGRAM OF COOPERATION THE DISCUSSION OF WHICH WAS BEGUN AT A PRELIMINARY MEETING OF THE GROUP
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IN AUGUST 1973. SUB-DIVISIONS OF THE WORK OF THE GROUP ARE AS FOLLOWS:

1. EFFECT OF CHANGING LEVELS OF ATMOSPHERIC CONSTITUENTS ON CLIMATE

THIS GROUP WILL INVESTIGATE THE OPTICAL PROPERTIES OF ATMOSPHERIC DUST PARTICLES AS INITIAL AREA OF STUDY.

2. MONITORING ATMOSPHERIC CONSTITUENTS THAT MIGHT MODIFY CLIMATE

THIS GROUP WILL STUDY MEASUREMENTS OF TRACE MATERIALS IN "CLEAN AIR" AND SUGGESTIONS ON THE ORGANIZATION OF A GLOBAL NETWORK OF STATIONS TO DETERMINE GLOBAL BACKGROUND LEVELS, THEIR GEOGRAPHICAL VARIABILITY AND LONG-TERM TRENDS.

3. CLIMATE MODELING

THIS GROUP WILL STUDY NUMERICAL MODELS OF THE ATMOSPHERE AND/OR OCEANS CAPABLE OF PREDICTING THE DISPERSIVE PROPERTIES OF THE GEOPHYSICAL FLUID MEDIA

AND THE SECONDARY REACTIONS.

4. COOPERATION IN POLAR RESEARCH

THIS GROUP WILL INVESTIGATE THE INFLUENCE OF THE POLAR REGIONS IN BOTH HEMISPHERES ON THE FORMATION OF THE WEATHER AND CLIMATE OF THE PLANET

5. EFFECTS OF CONTAMINATION OF THE UPPER ATMOSPHERE ON CLIMATE

THIS GROUP WILL STUDY INITIALLY THE ALTERATIONS OF THE UPPER ATMOSPHERE AND STRATOSPHERE BY HIGH-FLYING AIRPLANES.

6. DOCUMENTATION ON CLIMATIC VARIABILITY
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THIS GROUP WILL STUDY THE CHARACTER AND GEOGRAPHIC EXTENT OF PAST CLIMATIC VARIATIONS.

7. SOLAR INFLUENCES ON CLIMATE VARIATIONS

THIS GROUP WILL STUDY EMPIRICAL FINDINGS AND POSSIBLE PHYSICAL MECHANISMS INVOLVED IN INTERACTIONS BETWEEN SOLAR ACTIVITY AND METEOROLOGICAL PHENOMENA.

EXCHANGES OF SCIENTISTS FOR THREE- TO TWELVE-MONTH PERIODS, AS WELL AS VISITS BY WORKING GROUP MEMBERS, ARE PLANNED, AS IS THE EXCHANGE OF DATA AND SCIENTIFIC RESULTS AND THE INTERCALIBRATION OF INSTRUMENTS AND METHODS OF OBSERVATION.

RESPONSIBLE ORGANIZATIONS: U.S. NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION, DEPARTMENT OF COMMERCE; USSR: HYDROMETEOROLOGICAL SERVICE.

IX. EARTHQUAKE PREDICTION

1. EARTHQUAKE PREDICTION

THE PROGRAM OF COOPERATION AGREED UPON AND INITIATED AT THE FIRST TWO MEETINGS OF THE WORKING GROUP WILL BE CARRIED OUT IN 1974. EXCHANGES OF VISITS BY SCIENTISTS IN THE AMOUNT OF FORTY-EIGHT MAN-MONTHS ARE PROJECTED FOR 1974-5. PLANS WILL BE CARRIED OUT FOR THE EXCHANGE OF LITERATURE AND TECHNICAL DATA. A SYMPOSIUM HAS BEEN AGREED ON FOR

LATE 1975. SUB-DIVISIONS OF THE WORK OF THE GROUP
ARE AS FOLLOWS:

1. FIELD RESEARCH ON EARTHQUAKE PREDICTIONS

THIS GROUP WILL STUDY THE SEISMO-GEOLOGICAL
SITUATION IN CONNECTION WITH PRECURSORS FOR DEVELOPING
METHODS OF PREDICTION OF EARTHQUAKES IN THE SAN ANDREAS
FAULT REGION (CALIFORNIA, UNITED STATES) AND THE
GARM-DUSHANBE REGION (USSR). WORK WILL INCLUDE
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STANDARDIZATION, EXPERIMENTAL WORK IN CALIFORNIA
AND GARM-DUSHANBE, JOINT OBSERVATIONS, STUDY OF THE
CRUST, AND GEOLOGICAL STUDIES.

2. LABORATORY AND THEORETICAL STUDIES OF THE
PHYSICS OF THE EARTHQUAKE SOURCE

THIS GROUP WILL STUDY THE PHYSICS OF THE
EARTHQUAKE SOURCE, SEEKING A BETTER UNDERSTANDING
OF THE PREMONITORY PHENOMENA OF EARTHQUAKES.

3. MATHEMATICAL AND COMPUTATIONAL PREDICTION OF
LOCATIONS OF STRONG EARTHQUAKES, SEISMICITY
AND ESTIMATION OF SEISMIC RISK

THIS GROUP WILL STUDY METHODS OF PREDICTION OF
THE LOCATIONS OF STRONG EARTHQUAKES, TO DISCOVER
REGULARITIES IN THEIR OCCURENCE AND TO PROVIDE THE
BASIS FOR OPTIMIZATION OF SEISMIC ZONING AND FOR
RESEARCH IN PREDICTION AND CONTROL.

4. ENGINEERING SEISMOLOGICAL STUDIES

THIS GROUP WILL STUDY THE DEVELOPMENT OF
ENGINEERING CRITERIA FOR SEISMIC RESISTANCE OF
STRUCTURES DURING STRONG EARTHQUAKES, TAKING INTO
CONSIDERATION SOIL CONDITIONS.

RESPONSIBLE ORGANIZATIONS: U.S.: U.S.
GEOLOGICAL SURVEY, DEPARTMENT OF THE INTERIOR;
USSR: USSR ACADEMY OF SCIENCES.

5. INTEGRATION OF U.S.-SOVIET TSUNAMI WARNING
SYSTEMS

A MEETING TO INITIATE COOPERATION IN THIS AREA

IS PLANNED FOR 1974. THE SPECIALISTS WILL CONSIDER
THE POSSIBILITY OF THE INTEGRATION OF THE TSUNAMI
(EARTHQUAKE-PRODUCED TIDAL WAVES) WARNING SYSTEMS
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OF THE TWO COUNTRIES.

RESPONSIBLE ORGANIZATIONS: U.S. NATIONAL
OCEANIC AND ATMOSPHERIC ADMINISTRATION, DEPARTMENT
OF COMMERCE; USSR: USSR ACADEMY OF SCIENCES.

X. ARCTIC AND SUBARCTIC ECOLOGICAL SYSTEMS

A MEETING OF SPECIALISTS ON THE ENVIRONMENTAL
PROBLEMS IN COLD-WEATHER AREAS WILL BE HELD IN THE
UNITED STATES DURING THE SECOND HALF OF 1974. THE
MAIN TOPIC WILL BE THE INFLUENCE OF HUMAN ACTIVITY

ON COLD-WEATHER ECOSYSTEMS, AND THE TECHNIQUES OF
ELIMINATING UNDESIRABLE CONSEQUENCES OF THIS ACTIVITY.
PARTICIPANTS WILL INCLUDE SPECIALISTS IN THE COLD-
WEATHER TOPICS BEING STUDIED UNDER SEPARATE AREAS OF
THE AGREEMENT, SPECIFICALLY: PROBLEMS OF LIQUID WASTE
DISPOSAL IN COLD-WEATHER AREAS (AREA II); IMPACT
OF CONSTRUCTION AND THE DISPOSAL OF WASTES IN
PERMAFROST AREAS (AREA IV); PROBLEMS IN THE UTILIZATION,
PROTECTION, AND REHABILITATION OF NORTHERN ECOSYSTEMS
(AREA V); AND PROBLEMS OF PIPELINE TRANSPORT THROUGH
PERMAFROST AREAS (AREA VI). WORK UNDER THOSE PROJECTS
WILL BE CARRIED OUT SEPARATELY, AS PROVIDED FOR IN THE
PRESENT MEMORANDUM. FIELD VISITS TO ARCTIC AND
SUBARCTIC SITES OF ENVIRONMENTAL INTEREST WILL BE
AFFORDED TO SPECIALISTS FROM BOTH SIDES.

RESPONSIBLE ORGANIZATIONS: U.S.: COUNCIL ON
ENVIRONMENTAL QUALITY; USSR: .

XI. LEGAL AND ADMINISTRATIVE MEASURES FOR PROTECTING ENVIRONMENTAL QUALITY

THE EXCHANGE OF INFORMATION WILL BE CONTINUED
DURING 1974 ON LEGAL AND ADMINISTRATIVE MEASURES FOR
PROTECTING ENVIRONMENTAL QUALITY, AND A SECOND
MEETING WILL BE HELD IN MOSCOW IN MAY 1974.
TOPICS FOR STUDY INCLUDE: QUESTIONS OF GOVERNMENTAL
ORGANIZATION, INCLUDING PROCEDURES FOR ANALYZING
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THE ENVIRONMENTAL IMPACT OF MAJOR GOVERNMENTAL DECISIONS; QUESTIONS OF DEVELOPING LEGISLATION; PROCEDURES FOR REACHING DECISIONS ON DEVELOPMENT OF THE MOST IMPORTANT AREAS OF INDUSTRIAL PRODUCTION AFFECTING THE ENVIRONMENT; IMPLEMENTATION AND ENFORCEMENT OF LEGAL REQUIREMENTS FOR ENVIRONMENTAL PROTECTION; PARTICIPATION BY THE PUBLIC (FOR EXAMPLE THROUGH MASS MEMBERSHIP ORGANIZATIONS) IN RESOLVING PROBLEMS OF ENVIRONMENTAL PROTECTION; ECONOMIC ASPECTS OF POLLUTION. THE EXCHANGE OF LONG-TERM VISITS BY ENVIRONMENTAL LEGAL SCHOLARS IS PLANNED, WITH A SOVIET SCHOLAR INVITED TO WORK AT THE WOODROW WILSON CENTER IN WASHINGTON, D.C., FOR THE ACADEMIC YEAR 1974-5, AND A RECIPROCAL OPPORTUNITY OFFERED AN AMERICAN SCHOLAR. THE POSSIBILITY IS BEING EXPLORED FOR FACILITATING EXCHANGES BETWEEN MASS-MEMBERSHIP ORGANIZATIONS (FOR EXAMPLE, THE AUDUBON SOCIETY, THE NATIONAL WILDLIFE FEDERATION AND THE SIERRA CLUB IN

THE UNITED STATES, AND THE ALL-RUSSIAN SOCIETY FOR NATURE PROTECTION IN THE SOVIET UNION).

RESPONSIBLE ORGANIZATIONS: U.S.: COUNCIL ON ENVIRONMENTAL QUALITY; USSR: INSTITUTE OF STATE AND LAW, USSR ACADEMY OF SCIENCES.

THE NEXT MEETING OF THE JOINT COMMITTEE WILL BE HELD IN MOSCOW IN 1974. AT THAT MEETING THE PROGRESS OF THE PROGRAM WILL BE REVIEWED AND PLANS MADE FOR FURTHER COOPERATION. THE CHAIRMEN AND COORDINATORS WILL MEET AS NECESSARY BETWEEN SESSIONS.

THE PRESENT MEMORANDUM WILL ENTER INTO FORCE UPON SIGNATURE.

SIGNED IN ENGLISH AND IN RUSSIAN, BOTH COPIES EQUALLY AUTHENTIC, IN WASHINGTON, D.C., NOVEMBER 16, 1973.

CHAIRMAN FOR THE UNITED STATES:
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RUSSELL E. TRAIN

CHAIRMAN FOR THE SOVIET UNION:

E. K. FEDOROV

(LISTS OF DELEGATIONS TO BE ATTACHED)

END OF TEXT. KISSINGER

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Message Attributes

Automatic Decaptioning: X
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Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: n/a
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Copy: SINGLE
Draft Date: 03 NOV 1973
Decaption Date: 01 JAN 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Authority: n/a
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 JAN 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
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Enclosure: n/a
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Handling Restrictions: n/a
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To: MOSCOW
Type: TE
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